

AM101023-2 Sequence Listing.ST25.txt
SEQUENCE LISTING

<110> Wyeth
Bowman, Michael
Follettie, Maximillian
Chen, Heng
Williams, Cara
Ellis, Debra
Winkler, Aaron
Liu, Wei

<120> COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING ASTHMA OR
OTHER ALLERGIC OR INFLAMMATORY DISEASES

<130> AM101023-2

<160> 1535

<170> PatentIn version 3.2

<210> 1

<211> 2185

<212> DNA

<213> Homo sapiens

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AM101023-2 Sequence Listing.ST25.txt

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<212> PRT
<213> Homo sapiens

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<400> 2

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Cys Leu Ser Thr Met Asp Leu Ile Ala Leu Gly Val Gly Ser Thr Leu
35           40           45

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Gly Ala Gly Val Tyr Val 50 Leu Ala Gly Glu Val 55 Ala Lys Ala Asp Ser 60

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Gly Ser Ala Tyr Leu Tyr Thr Tyr Val 100 Thr Val Gly Glu Leu Trp Ala 105 110

Phe Ile Thr Gly Trp Asn Leu Ile 115 Leu Ser Tyr Val Ile Gly Thr Ser 120 125

Ser Val Ala Arg Ala Trp Ser Gly Thr Phe Asp Glu 130 135 140 Leu Leu Ser Lys

Gln Ile Gly Gln Phe Leu Arg Thr Tyr Phe Arg 145 150 155 Met Asn Tyr Thr Gly 160

Leu Ala Glu Tyr Pro Asp Phe Phe Ala Val 165 170 Cys Leu Ile Leu Leu Leu 175

Ala Gly Leu Leu Ser Phe Gly Val Lys Glu Ser Ala Trp Val 180 185 190 Asn Lys

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Leu Lys Asn Ile Ser Ala Ser Ala Arg Glu Pro Pro Ser Glu Asn Gly 225 230 235 240

Thr Ser Ile Tyr Gly Ala Gly Gly Phe Met Pro Tyr Gly Phe Thr Gly 245 250 255

Thr Leu Ala Gly Ala Ala Thr Cys Phe Tyr Ala Phe Val Gly Phe Asp 260 265 270

Cys Ile Ala Thr Thr Gly Glu Glu Val Arg Asn Pro Gln Lys Ala Ile 275 280 285

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325 330 335

Ala Lys Tyr Val Val Ala Ala Gly Ser Leu Cys Ala Leu Ser Thr Ser
340 345 350

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Arg Asp Gly Leu Leu Phe Arg Phe Leu Ala Arg Val Ser Lys Arg Gln
370 375 380

Ser Pro Val Ala Ala Thr Leu Thr Ala Gly Val Ile Ser Ala Leu Met
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Thr Leu Met Ala Tyr Ser Leu Val Ala Ala Cys Val Leu Ile Leu Arg
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Tyr Gly Val His Ala Ile Thr Arg Leu Glu Ala Trp Ser Leu Ala Leu
515 520 525

Leu Thr Leu Phe Leu Val Leu Phe Val Ala Ile Val Leu Thr Ile Trp
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Arg Gln Pro Gln Asn Gln Gln Lys Val Ala Phe Met Val Pro Phe Leu
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AM101023-2 Sequence Listing.ST25.txt

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His Leu Arg Asp Glu Asn Asn Glu Glu Asp Ala Tyr Pro Asp Asn Val
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AM101023-2 Sequence Listing.ST25.txt

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 <212> PRT
 <213> Mus musculus

<400> 4

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Arg Lys Ile Val Thr Leu Asp Ser Leu Glu Asp Ser Lys Leu Cys Arg
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Cys Leu Thr Thr Val Asp Leu Ile Ala Leu Gly Val Gly Ser Thr Leu
 35 40 45

Gly Ala Gly Val Tyr Val Leu Ala Gly Glu Val Ala Lys Ala Asp Ser
 50 55 60

Gly Pro Ser Ile Val Val Ser Phe Leu Ile Ala Ala Leu Ala Ser Val
 65 70 75 80

Met Ala Gly Leu Cys Tyr Ala Glu Phe Gly Ala Arg Val Pro Lys Thr
 Page 7

Gly Ser Ala Tyr Leu Tyr Thr Tyr Val Thr Val Gly Glu Leu Trp Ala
100 105 110

Phe Ile Thr Gly Trp Asn Leu Ile Leu Ser Tyr Val Ile Gly Thr Ser
115 120 125

Ser Val Ala Arg Ala Trp Ser Gly Thr Phe Asp Glu Leu Leu Asn Lys
130 135 140

Gln Ile Gly Gln Phe Phe Lys Thr Tyr Phe Lys Met Asn Tyr Thr Gly
145 150 155 160

Leu Ala Glu Tyr Pro Asp Phe Phe Ala Val Cys Leu Val Leu Leu Leu
165 170 175

Ala Gly Leu Leu Ser Phe Gly Val Lys Glu Ser Ala Trp Val Asn Lys
180 185 190

Phe Phe Thr Ala Ile Asn Ile Leu Val Leu Leu Phe Val Met Val Ala
195 200 205

Gly Phe Val Lys Gly Asn Val Ala Asn Trp Lys Ile Ser Glu Glu Phe
210 215 220

Leu Lys Asn Ile Ser Ala Ser Ala Arg Glu Pro Pro Ser Glu Asn Gly
225 230 235 240

Thr Ser Ile Tyr Gly Ala Gly Gly Phe Met Pro Tyr Gly Phe Thr Gly
245 250 255

Thr Leu Ala Gly Ala Ala Thr Cys Phe Tyr Ala Phe Val Gly Phe Asp
260 265 270

Cys Ile Ala Thr Thr Gly Glu Glu Val Arg Asn Pro Gln Lys Ala Ile
275 280 285

Pro Ile Gly Ile Val Thr Ser Leu Leu Val Cys Phe Met Ala Tyr Phe
290 295 300

Gly Val Ser Ala Ala Leu Thr Leu Met Met Pro Tyr Tyr Leu Leu Asp
305 310 315 320

Glu Lys Ser Pro Leu Pro Val Ala Phe Glu Tyr Val Arg Trp Gly Pro
325 330 335

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Ala Lys Tyr Val Val Ala Ala Gly Ser Leu Cys Ala Leu Ser Thr Ser
340 345 350

Leu Leu Gly Ser Met Phe Pro Leu Pro Arg Ile Leu Phe Ala Met Ala
355 360 365

Arg Asp Gly Leu Leu Phe Arg Phe Leu Ala Arg Val Ser Lys Arg Gln
370 375 380

Ser Pro Val Ala Ala Thr Met Thr Ala Gly Val Ile Ser Ala Val Met
385 390 395 400

Ala Phe Leu Phe Asp Leu Lys Ala Leu Val Asp Met Met Ser Ile Gly
405 410 415

Thr Leu Met Ala Tyr Ser Leu Val Ala Ala Cys Val Leu Ile Leu Arg
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Tyr Gln Pro Gly Leu Cys Tyr Glu Gln Pro Lys Tyr Thr Pro Glu Lys
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Glu Thr Leu Glu Ser Cys Thr Asn Ala Thr Leu Lys Ser Glu Ser Gln
450 455 460

Val Thr Met Leu Gln Gly Gln Gly Phe Ser Leu Arg Thr Leu Phe Ser
465 470 475 480

Pro Ser Ala Leu Pro Thr Arg Gln Ser Ala Ser Leu Val Ser Phe Leu
485 490 495

Val Gly Phe Leu Ala Phe Leu Ile Leu Gly Leu Ser Ile Leu Thr Thr
500 505 510

Tyr Gly Val Gln Ala Ile Ala Arg Leu Glu Ala Trp Ser Leu Ala Leu
515 520 525

Leu Ala Leu Phe Leu Val Leu Cys Ala Ala Val Ile Leu Thr Ile Trp
530 535 540

Arg Gln Pro Gln Asn Gln Gln Lys Val Ala Phe Met Val Pro Phe Leu
545 550 555 560

Pro Phe Leu Pro Ala Phe Ser Ile Leu Val Asn Ile Tyr Leu Met Val
565 570 575

Gln Leu Ser Ala Asp Thr Trp Ile Arg Phe Ser Ile Trp Met Ala Leu
580 585 590

AM101023-2 Sequence Listing.ST25.txt

Gly Phe Leu Ile Tyr Phe Ala Tyr Gly Ile Arg His Ser Leu Glu Gly
595 600 605

Asn Pro Arg Asp Glu Glu Asp Asp Glu Asp Ala Phe Ser Glu Asn Ile
610 615 620

Asn Val Ala Thr Glu Glu Lys Ser Val Met Gln Ala Asn Asp His His
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Gln Arg Asn Leu Ser Leu Pro Phe Ile Leu His Glu Lys Thr Ser Glu
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Cys

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<212> DNA
<213> Homo sapiens

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AM101023-2 Sequence Listing.ST25.txt

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<210> 6
 <211> 322
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 <213> Homo sapiens

<400> 6

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Lys Ala Gly Leu Leu Glu Lys Leu Lys Glu Gln Glu Cys Asp Val Lys
          35          40          45

Asp Tyr Gly Asp Leu Pro Phe Ala Asp Ile Pro Asn Asp Ser Pro Phe
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Gln Ile Val Lys Asn Pro Arg Ser Val Gly Lys Ala Ser Glu Gln Leu
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Ala Gly Lys Val Ala Glu Val Lys Lys Asn Gly Arg Ile Ser Leu Val
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165

170

175

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195 200 205

Gly Lys Val Met Glu Glu Thr Leu Ser Tyr Leu Leu Gly Arg Lys Lys
210 215 220

Arg Pro Ile His Leu Ser Phe Asp Val Asp Gly Leu Asp Pro Ser Phe
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Thr Pro Ala Thr Gly Thr Pro Val Val Gly Gly Leu Thr Tyr Arg Glu
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Gly Leu Tyr Ile Thr Glu Glu Ile Tyr Lys Thr Gly Leu Leu Ser Gly
260 265 270

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Pro Lys

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<212> DNA
<213> Mus musculus

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AM101023-2 Sequence Listing.ST25.txt

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